In the Claims

Please cancel claims 23 and 26 and amend claims 1 and 24 as follows:

1. (Currently Amended) A system for monitoring and regulating air flow to a patient adapted to supply positive airway pressure to a patient mask during treatment of a sleep disorder, comprising:

a CPAP generator for providing variable airway pressure;

a first sensor for monitoring air flow channeled to the patient from said CPAP generator ~~adapted to supply positive airway pressure to the patient, said first sensor detects flow to and from the mask, said first sensor having means~~ for generating first and second air flow rate detection signals representing the airflow to the mask and from the mask, ~~repsectively;~~ respectively;

a second sensor for measuring pressure in the air flow, said second sensor ~~detects~~ detecting a change in pressure at a selected place in said system, said second sensor ~~generates~~ generating a pressure detection signal upon detection of the change in pressure;

a controller unit responsive to said first and second air flow rate detection signals said controller unit having means for interpreting, storing and comparing said first and second air flow and pressure detection signals ~~with pre-selected air flow signals to determine whether the mask is in place or there is central or obstructive sleep apnea, said controller unit having means for generating a control signal, based on the comparison of said first and second air flow rate signals with the pre-selected air flow signals, to said CPAP generator to adjust the air flow;~~ and providing an outgoing alarm signal when the first air flow signal increases, the second air flow signal decreases and the pressure detection signal decreases;

a remotely-controlled transmitter means in communication with said controller unit, said transmitter means ~~transmits an~~ generating a transmitter alarm signal ~~upon receipt of said alert signal~~ in response to said outgoing alarm signal from said controller unit; and

alarm generation means selected from the group consisting of a vibration device releasably disposed on the patient's torso, a vibration device releasably attached on the patient's extremity, an audio device movably located proximal to the patient, and a an audio device removably attachable to the patient's head.

2. Cancelled
3. Cancelled
4. Cancelled

5. (Previously Presented) The notification system of Claim 1 wherein said transmitter means includes a radio frequency transmitter for transmission of said alarm signal over a sufficient distance for receipt by said alarm means having a radio frequency receiver therein.

6. (Previously Presented) The notification system of Claim 1 further comprising a timing circuit in electrical communication with said controller unit microprocessor, said timing circuit provides control of a frequency of repetitive analyses accomplished by said microprocessor means for comparing, thereby providing control of the frequency of generation of said alert signal generated by said controller unit.

7. Cancelled

8. (Previously Presented) The notification system of Claim 1 wherein said sensors are calibrated for detection of air pressure greater than said preselected range of air pressure.

9. (Previously Presented) The notification system of Claim 1 wherein said sensor is calibrated for detection of air pressure lower than said preselected range of air pressure.

10. Cancelled
11. Cancelled
12. Cancelled
13. Cancelled
14. Cancelled
15. Cancelled
16. Cancelled
17. Cancelled
18. Cancelled
19. Cancelled
20. Cancelled
21. Cancelled
22. Cancelled
23. Cancelled
24. (Currently amended) The system of claim 1 [23] further including a humidifier.

25. (Previously Presented) The system of claim 1 further comprising a timing circuit in electrical communication with said controller and responsive to selection means used by the patient to indicate a hibernation mode whereby said controller disables the alarm.

26. (Cancelled)